

Amendments to the Specification:

Please amend the abstract as follows:

Various embodiments are described for an improved reflectometer and/or a modem or other device which may include an improved reflectometer. An apparatus may include a pulse transmitter to transmit a pulse to a line to be tested, a receiver adapted to receive a reflection of the transmitted pulse, and a zero-echo canceling system coupled to the transmitter and receiver. The zero-echo canceling system may be adapted to at least partially cancel a received zero-echo by generating a zero-echo canceling signal based on the transmitted pulse and to calculate an error signal as a difference between the zero-echo and the zero-echo canceling signal.